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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके ।
Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2

[PART III--SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE
PATENTS AND DESIGNS

Calcutta, the 10th December 1988

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The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial jurisdiction on a zonal basis as shown below :—

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Unit No. 401 to 405, III Floor,
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Telegraphic address "PATENTOFIS".

Patent Office (Head Office),
"NIZAM PALACE", 2nd M.S.O. Building,
5th, 6th and 7th Floor,
234/4, Acharya Jagadish Bose Road,
Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office

Fees :—The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20.

The dates shown in the crescent brackets are the dates claimed under Section 135, of the Patents Act, 1970.

The 3rd November 1988

919/Cal/88. Beloit Corporation. Self-loading controlled deflection roll.

920/Cal/88. Ethicon, Inc. Surgical fastening systems made from polymeric materials.

921/Cal/88. Emitec Gesellschaft Fur Emissionstechnologie MbH. Method of manufacturing crankshafts, and crankshaft produced by the method.

922/Cal/88. Hoerbiger Ventilwerke Aktiengesellschaft. Compressor plate valve.

The 4th November 1988

923/Cal/88. Canziani Francesco. Process and plant for sorting items in an open path system.

924/Cal/88. Beloit Corporation. Anaerobic digestion process.

925/Cal/88. Hoechst Aktiengesellschaft. Water-soluble Azo compounds, process for their preparation and use thereof as dyes.

926/Cal/88. Emitec Gesellschaft Fur Emissionstechnologie MBH. Crankshafts and method of manufacture of the same.

927/Cal/88. Nippon Shokubai Kagaku Kogyo Co., Ltd. and Norton Company. Acid gas absorbent composition.

The 7th November 1988

928/Cal/88. Shields Instruments Limited. An infrared spectrophotometric analysing apparatus. (Convention dated 13-11-1984 and 17-4-1985) both are U. K.

The 7th November 1988

929/Cal/88. Kerr-McGee Chemical Corporation. Process for producing durable titanium dioxide pigments.

930/Cal/88. Kerr-McGee Chemical Corporation. Process for preparing titanium dioxide.

931/Cal/88. Magvar Tudomanvos Akademia Termeszettudományi Kutató Laboratóriumai. Process for the production of bodies, particularly building units with the mixture of hydraulically binding, after-hardening materials and reinforcing fibres, furthermore process for the preparation of synthetic fibres having rough surface.

932/Cal/88. Copeland Corporation. Motor compressor lubrication.

933/Cal/88. General Electric Company. Gas-cooled flameholder assembly.

934/Cal/88. Präzisions-Werkzeuge AG. Method and device to increase the processing frequency of can bodies at a processing plant.

The 8th November 1988

935/Cal/88. Franz Plasser Bahnbaumaschinen-Industriegesellschaft m.b.H.. A travelling track tamping, levelling and lining machine for lifting and/or laterally shifting a track at switches and crossings.

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH, AT TODI ESTATE, 3RD FLOOR, SUN MILL COMPOUND, LOWER PAREL (WEST), BOMBAY-13

The 17th October 1988

291/Bom/88. Nirmal Pannalal. Public water-tap.

292/Bom/88. Hawkins Cookers Limited. An improved pressure cooker having bottom vessel with an oval shaped mouth and a correspondingly shaped lid adapted to be sealingly accommodated to the underside of the said oval mouth.

The 18th October 1988

293/Bom/88. Hindustan Lever Limited. Oral Compositions, 20th October, 1987, Gr. Britain.

The 19th October 1988

294/Bom/88. Satish Rajaram Gambhir. Improved work piece or job side clamping device.

The 21st October 1988

295/Bom/88. Mohanlal Purshottamdas Tank. A new method of reinforcing cement concrete.

296/Bom/88. Mohanlal Purshottamdas Tank. A process of enhancing tensile strength of metals and metals made by such process.

297/Bom/88. Arun Govind Ugale & Govind H. Ugale. Dighvijay bicycle which runs minimum 40 k.m. P. H. without using any kind of machinery.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002.

The 17th October 1988

723/Mas/88. V. J. Bose. Automatic fire controlling circuit connector.

724/Mas/88. Tecumseh Products Company. Compressor Mounting Pin.

725/Mas/88. Tecumseh Products Company. Compressor valve system.

The 18th October 1988

726/Mas/88. Kadarundalige Sitaramdas Gururaja Doss. Invasive imbibition, a device for improving extraction of sugar from sugarcane.

727/Mas/88. B. A. V. K. Sharma. Preparation sodium hydroxide and potassium hydroxide by chemical method

728/Mas/88. Tecumseh Products Company. High side scotch yoke compressor.

729/Mas/88. Tecumseh Products Company. Compressor discharge muffler having cover plate.

730/Mas/88. Tecumseh Products Company. Compressor Lubrication system including shaft seals.

The 19th October 1988

731/Mas/88. Romostar Corporation N. V. Winch.

732/Mas/88. Romostar Corporation N.V. Clutches.

The 21st October 1988

733/Mas/88. The Pall Corporation. Device and method for depletion of the leukocyte content of blood and blood components.

734/Mas/88. SA Narine AB. Method and system for mine seeping.

ALTERATION OF DATE

163916.
(562/Del/82)

Ante-dated to 22nd October, 1983.

163944.
(429/Cal/83)

Ante-dated to 13th April, 1983.

163949.
(65/Mas/85)

Ante-dated to 25th January, 1985.

PATENTS SEALED

| | | | | | | |
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| 147740 | 149957 | 160971 | 161505 | 161552 | 161564 | 161566 |
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RENEWAL FEES PAID

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| 161907 | 161916 | 161924. | | | | |

RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 157203 granted to Binny Limited for an invention relating to "a paddy husker".

The patent ceased on the 2-6-87 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 8-10-88.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 10th February, 1989 under Rule 69 of the Patent Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 159605. United Works Private Limited, Incorporated in India, 32 Casagrande, Little Gibbs Road, Malabar Hill, City of Bombay-400 006, State of Maharashtra, India. "Gas Regulator". 18th April, 1988.

Class 1. Nos. 159630 & 159631. Stuber Engineering Pvt. Ltd., an Indian Company, of B-151, Greater Kailash-I, New Delhi-110048, India. "Yarn Cleaner Device". 26th April, 1988.

Class 1. No. 159761. Union Carbide India Limited, an Indian company, of 1, Middleton Street, Calcutta-700 071, West Bengal, India. "Cycle Lamp". 30th May, 1988.

Class 1. No. 159874. Crompton Greaves Limited, of 1, Dr. V. B. Gandhi Marg, Bombay-400023, Maharashtra, India, an Indian Company. "a Reflector for fluorescent tube light". 23rd June, 1988.

Class 1. No. 159923. Livinder Singh, C/o Becen Company, 5-Lok Nayak Bhawan, Khan Market, New Delhi-110003, India. An Indian National. "Florescent fixture". 6th July, 1988.

Class 3. No. 159721. 1. Viktor Alexeevich Lipatov, USSR, 117279, Moskva, ul Profsojuznaya, 19-3-27 2. IGOR Alexeevich Guskov, USSR, 109033, Moskva, ul. Tulinskaya, 10-1-80 and 3. Nikolai Nikolaevich Kanshin, USSR, 121433, Moskva, ul. Filevskaya, 68-10, all USSR Nationals. "Surgical Suturing Instrument". 20th May, 1988.

Class 3. No. 159903. Manik Machinery Manufacturers Private Limited, 8/4, Sona Udyog, Parsi Panchayat Road, Andheri (East), Bombay-400 069, Maharashtra, India, a private limited company incorporated under the Indian Companies Act. "Spray Gun". 29th June, 1988.

Class 3. No. 159969. Jagatjit Industries Limited, 5th Floor, Bahdnari House, 91-Nehru Place, New Delhi-110019, India. An Indian Company. "MUG". 20th July, 1988.

Class 3. No. 159970. Jagatjit Industries Limited, 5th Floor, Bhandari House, 91-Nehru Place, New Delhi-110019, An Indian Company. "JAR". 20th July, 1988.

Class 3. No. 160059. United Communications Limited a Company incorporated under the Companies Act, 1956, of A-163, Sahid Nagar, Bhubaneswar-751 007, Orissa, India. "Key Telephone System". 30th August, 1988.

Class 4. No. 159629. JG Glass Limited, of Pimpri, Pune-411018, Maharashtra State, India, an Indian Company. "BOTTLE". 26th April, 1988.

Extn. of Copyright for the Second period of five years

No. 158114. Class-1.

Nos. 154691, 157841, 155716. Class-3.

Extn. of Copyright for the Third period of five years.

No. 158114. Class-1.

Nos. 154691, 157841, 155716. Class-3.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo-copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

Int. Class⁴ : C07C 127/19. 163910

"PROCESS FOR THE PREPARATION OF PESTICIDAL BENZOYLUREA COMPOUNDS".

Applicant :SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V., a Netherlands company, of Carel van Bylandtlaan 30, 2596 HR The Hague, The Netherlands.

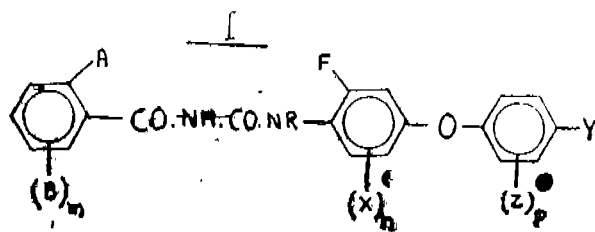
Inventor : MARTI ANDERSON.

Application for patent no. 299/Del/85 filed on 9th April, 1985—Convention date 10th April, 1984/8409240 & 17th August, 1984/8420930/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

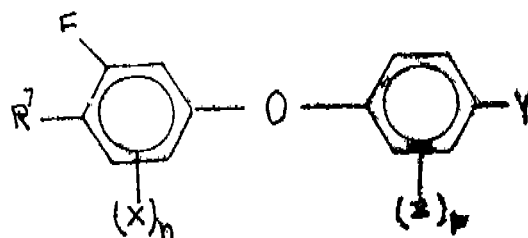
(Claims 11)

A process for the preparation of a benzoylurea compound of general formula (I)



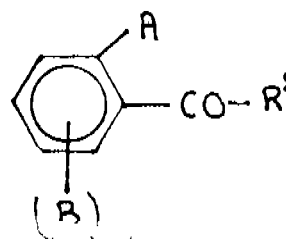
in which each of A and B independently represents a halogen atom or an alkyl group; m is 0 or 1; R represents a hydrogen atom or a group -S, -CO₂R¹, -SSO₂R¹, -SNR²R³, in which R¹ represents an optionally substituted alkyl or aryl group; R² represents an optionally substituted alkyl or aryl group; and R³ represents an optionally substituted alkyl or aryl group, or a group of formula -CO₂R⁴, -SO₂R⁴, -COR⁴, -CO₂R⁴, -CO.NR⁵R⁶, or -SO₂NR⁵R⁶, in which R⁴ represents an optionally substituted alkyl or aryl group, and each of R⁵ and R⁶ independently represents an optionally substituted alkyl or aryl group; or R² and R³ together or R⁵ and R⁶ together represent an optionally substituted alkylene group; in each case, the optional substituents for an alkyl or alkylene group being selected from halogen, alkoxy, alkoxy-carbonyl, haloalkoxycarbonyl, alkylcarbonyl, haloalkylcarbonyl, alkylsulphonyl and haloalkylsulphonyl, and the optional substituents for an aryl group being selected from these substituents and also alkyl, haloalkyl, cyano and nitro; X represents a halogen atom or a cyano, nitro, alkyl or haloalkyl group; each of Y and Z independently represents a halogen atom or a cyano, nitro or haloalkyl group; n is 0, 1, 2 or 3; and p is 0, 1 or 2, which process comprises reacting a compound of general formula II.

Formula—II



with a compound of general formula III

Formula—III



in which A, B, m, X, Y, Z, n and p have the meaning given above, and either R⁷ represents an -NHR group in which R has the meaning given above, and R⁸ represents an -NCO group, or R⁷ represents an -NCO group and R⁸ represents an -NH₂ group.

The product according to the present invention is useful as pesticidal especially insecticidal and acaricidal agent.

(Complete specification 26 pages.

Drawing 2 sheets)

CLASS : 111.

163911

163913

Int. Cl.⁴ : A 44 c 21/00.

PROCESS FOR PRODUCING AN AUREATE COIN MEDALLION OR TOKEN.

Applicant : SHERRITT GORDON MINES LIMITED, A COMPANY ORGANISED UNDER THE LAWS OF THE PROVINCE OF ONTARIO, HAVING ITS HEAD OFFICE AT 2800 COMMERCE COURT WEST, TORONTO, ONTARIO, CANADA.

Inventor : MICHAEL JOHN HARVEY RUSCOE AND WILLIE SEIBT.

Application for patent No. 352/Del/85 filed on 24th April, 1985.

Convention date May 01, 1984/Ng. 84453305/(Canada).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

6 Claims

Process for producing an aureate coin, medallion or token comprising providing in any known manner a coin core blank of the desired size and shape having opposed faces and a peripheral side edge and consisting of a first metallic material which is soft enough to be readily deformed by coin dies during minting :

coating said coin core blank with a second metallic material and forming insignia on at least one said face of the coated blank by at least one coin die deforming the surface thereof;

characterised in that said coin core blank is electroplated with second metallic material which is harder than said first metallic material and not readily deformed by coin dies, to completely encase said coin core blank with said coating of said second metallic material having a face thickness from 10 to 150 um, said second metallic material comprising from 8 to 16% tin by weight, with the balance being essentially copper.

Compl. specn. 9 pages.

CLASS : 48 A.

163912

Int. Cl. : G 02 b 5/14, H 01 b 7/08, 11/00.

AN IMPROVED OPTICAL FIBRE RIBBONS.

Applicant : BICC PUBLIC LIMITED COMPANY, A BRITISH COMPANY, OF 21, BLOOMSBURY STREET, LONDON WC 1B 3QN, ENGLAND.

Inventor : STEPHEN PETER DRISKEL.

Application for Patent No. 486/Del/85 filed on 19th June, 1985.

Convention date June 22, 1984/8416000/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

9 Claims

An optical fibre ribbon comprising a tape of plastics material, a plurality of optical fibres lying side by side and extending lengthwise on and secured to one surface of the plastics tape and at least two plastics insulated conductors, at least one of which insulated conductors extends lengthwise on and is secured to said surface of the plastics tape on one side of the plurality of optical fibres and at least one of which insulated conductors extends lengthwise on and is secured to said surface of the plastics tape on the other side of the plurality of optical fibres, each insulated conductor having an overall diameter substantially greater than the overall diameter of each of the optical fibres.

Compl. specn. 9 pages.

Drq. 1 sheet

Int. Cl.⁴ : C 07 D 221/00.

A PROCESS FOR THE PREPARATION OF 9-OR 11-SUBSTITUTED APOVINCAMINIC ACID DRIVATIVES.

Applicant : RICHTER GEDEON VEGYESZETT GYAR R.T., OF 19, GYOMROI UT., BUDAPEST X, HUNGARY, A HUNGARIAN COMPANY.

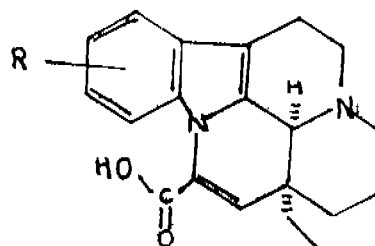
Inventors : ANDRAS VEDRES, CSABA SZANTAY, ISTVAN MOLDAI & BELA STEFKO.

Application for Patent No. 545/Del/85 filed on 11th July, 1985.

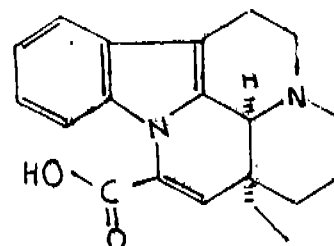
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

10 Claims

A process for the preparation of racemic and optically active 9-or 11-substituted apovincaminic acid derivatives of the formula (I)



of the drawings wherein R is a 9- or 11-nitro or -amino group and salts thereof, which comprises nitrating in a manner such as herein described an apovincaminic acid of the formula (II)



of the drawings and, if desired, reducing in a manner known per se the thus obtained 9- and/or 11-apovincaminic acids to produce the compound of formula I of the drawings.

Compl. specn. 19 pages.

Drqs. 2 sheets

163914

Int. Cl.⁴ : C 25 B 11/04.

A METHOD FOR THE MANUFACTURE OF AN ANODE FOR USE IN ELECTROCHEMICAL CELL.

Applicant : DURACELL INTERNATIONAL INC., OF BERKSHIRE INDUSTRIAL PARK, BETHEL, CONNECTICUT 06801, U.S.A. A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A.

Inventors : JESSE RANDOLPH REA, FRANCE ERIC PARSEN, PURUSH CHAILIPOYIL AND CHIH CHUNG WANG.

Application for Patent No. 546/Del/85 filed on July 12, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

A method for the manufacture of an anode for use in electrochemicals which comprises preparing a single crystal of zinc by any conventional method and amalgamation said single crystal of zinc with mercury, characterized in that one or more metals selected from indium, cadmium, gallium, thallium, bismuth, tin and lead, are added in a manner as herein describes to said zinc crystal prior or subsequent to the amalgamations thereof with mercury said one or more metals being present in said anode in a range of 25-5000 ppm, and said mercury being present in an amount of about 1.5%.

Compl. specn. 11 pages.

163915

Int. Cl.⁴ : E 02 B 17/00.

OSCILLATING PLATFORM ON FLEXIBLE PILES FOR WORK AT SEA.

Applicant : DORIS ENGINEERING, A FRENCH COMPANY, OF 58 RUE DU DESSOUS DES BERGES, 75013 PARIS, FRANCE.

Inventors : LUIC MARIE JACQUES DANGUY DES DESERTS, MICHEL DOMINIQUE AND FRANCOIS GABRIEL SEDILLOT.

Application for Patent No. 550/Del/85 filed on 15th July, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

7 Claims

An oscillating platform on flexible piles for work at sea comprising a deck, a lattice tower, an articulation formed by flexible piles, optionally a pre-drilled template fixed to the sea bottom; the flexible piles being driven into the sea bed and fixed to the upper part of the tower, characterised in that the flexible piles are arranged close to the center of the tower and are evenly spaced apart on a circumference the diameter of which is substantially not larger than 10% of the outside diameter of the tower, the tower comprising floaters in its upper part and a ballast compartment in its lower part, as well as means for resisting shear forces.

Compl. specn. 11 pages.

Drgs. 3 sheets

163916

Int. Cl.⁴ : C 07 D 235/04.

"A PROCESS FOR THE SYNTHESIS OF 2, 2' -UN-SUBSTITUTED AND DISUBSTITUTED-5-5-DIBENZI-MIDAZOLYL OXIDES".

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : SYED ABUZAR, SATYAVAN SHARMA, JAGDISH CHANDRA KATIYAR SANJAY MOHAN JOHRI, SUMAN GUPTA, SHIV RAM, AND AMIYA BHUSHAN SEN.

Application for Patent No. 553/Del/85 filed on 15th July, 1985.

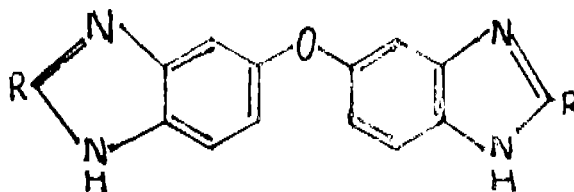
Ante-dated to 22nd October, 1983.

Divided out of patent application No. 562/Del/82 filed on 22nd October, 1983.

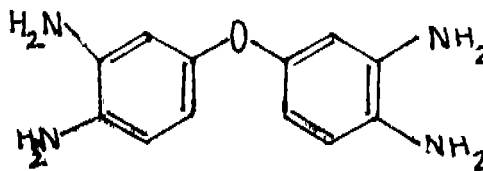
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

7 Claims

Process for the synthesis of 2, 2' -unsubstituted and disubstituted-5, 5' dibenzimidazolyl oxide of general formula (II)



wherein R is hydrogen, triluoromethyl, methyl, alkyl like methyl, ethyl comprising reducing by known methods 4, 4' -diamino- 3, 3' dinitrodiphenyl oxide to form 4, 4', 3, 3' -tetraaminodiphenyl oxide of general formula (I)



where R has the meaning given above and cyclising the same by refluxing with aliphatic acid of the formula R-COOH, where R has the meaning given above.

Compl. specn. 6 pages.

Drg. 1 sheet

CLASS :

163917

Int. Cl.⁴ : F 16D 65/12.

DISC BRAKE.

Applicant : BENDIX FRANCE, A FRENCH COMPANY, OF CENTRE PARIS PLEYEL, 93521 SAINT-DANIS CEDEX Q1, FRANCE.

Inventor : JEAN-LOUIS GERARD AND ELAUDE LE MERCHAND.

Application for Patent No. 575/Del/85 filed on 18th July, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

7 Claims

163919

A disc brake comprising a sliding caliper (4) incorporating an arch (7) overhanging a pair of pads (2A, 2B) spaced axially from one another, a spring (14) interposed between the arch (7) and the pads (2A, 2B) so as to push the lateral in a radial direction away from the arch (7) and to be held in elastic engagement in an opening (25) in the arch, the spring (14) consisting of a metal sheet folded in the general shape of a V having at least one pair of main wings (15) for bearing at their free ends against an inside surface (13) of the arch (7) said main wings (15) being joined by an axial central portion (16) to cooperate in bearing with the pair of pads (2A, 2B) and at least one mounting wing (21) of said spring extending from the central portion (16) and elastically engaging in the opening (25) in the arch (17), characterised in that said mounting wing (21) is provided in the region of a first axial end (18) of the spring, in an extension in the same axial direction OT of Y, the adjacent main wing (15), said mounting wing having towards free end. A hook means (22). Extending in the direction T portion (16) projecting axially beyond the mounting wing (21) so as to form the said first axial end (18) of the spring.

Compl. Specn. pages 10

Drgs. 2 sheets.

163918

Int. Cl.⁴ : H 02 J 3/00, G06F 1/00.

"ELECTRIC SUPPLY DEVICE FOR MICROPROCESSORS IN COMBINATION WITH SAID MICROPROCESSORS.

Applicant : SOCIETE D' APPLICATIONS GENERALES D' ELECTRICITE ET DE MECANIQUE S A G E M, A FRENCH COMPANY, OF 6, AVENUE D' JENA, 75783 PARIS CEDEX 16, FRANCE.

Inventor : SYLVES LAMIAUX.

Application for Patent No. 843/Del/85 filed on 10th October, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

7 Claims

Electric supply device for microprocessors in combination with said microprocessors said combination comprising a series data interconnection bus connected to said microprocessors, at least one power supply source having a power supply output and an initialization output, said power supply output being connected to supply inputs of said microprocessors and said initialization output being connected to initialization inputs of said microprocessors, characterized in that said initialization output of said power supply source is also connected to said interconnection bus and initialization inputs of the microprocessors are also connected to said bus through means for recognizing the initialization signal of the source among the characters flowing through the bus.

Compl. specn. 9 pages.

Drg. 1 sheet

Int. Cl.⁴ : B08B 17/00.

SAFETY DEVICE FOR BRAKING SYSTEMS OF RAILWAY TRAINS FITTED WITH DEVICES FOR AUTOMATIC APPLICATION OF THE BRAKES IN THE EVENT OF FIRE.

Applicant & Inventor : JAGADISH PRAKASH MATHUR, AN INDIAN NATIONAL OR 18 STANLEY ROAD, ALLAHABAD-211002. UTTAR PRADESH, INDIA.

Application for Patent No. 869/Del/85 filed on 16th October, 1985.

Complete Specification left on 23rd December, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

A safety device of the type referred to comprising an airtight casing, two vertical pipes connected to opposite sides of the casing and juxtaposed to each other, one of the said pipes connected to either :

- (i) a vacuum pipe line while the other pipe is connected to the common pipe in a carriage or other vehicle in case of vacuum brake system; or
- (ii) a common pipe in a carriage or other vehicle while the other pipe is connected to an air pressure line in case of air brake system;

said two pipes being separated by a disc valve made of a metal or alloy and disposed within the said casing and adapted to melt in the event of a fire in a carriage or other vehicle to establish connection between the said two pipes, and thereby resulting in the application of brakes.

Provisional Specification 5 pages.

Compl. specn. 12 pages

Drg. 1 sheet

163920

Int. Cl.⁴ : B 60 T 11/22.

A COMBINED BRAKE CYLINDER WITH AIR RESERVOIR.

Applicant : AMERICAN STANDARD INC., A CORPORATION OF THE STATE OF DELAWARE, OF 40 WEST 40TH STREET, NEW YORK, NEW YORK 10018, UNITED STATES OF AMERICA.

Inventor : WILARD PERKINS SPALDING; JAMES EDWARD HART; ALLEN WILLIAM KYLLONEN.

Application No. 961/Mas/84 filed 6 December 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-2.

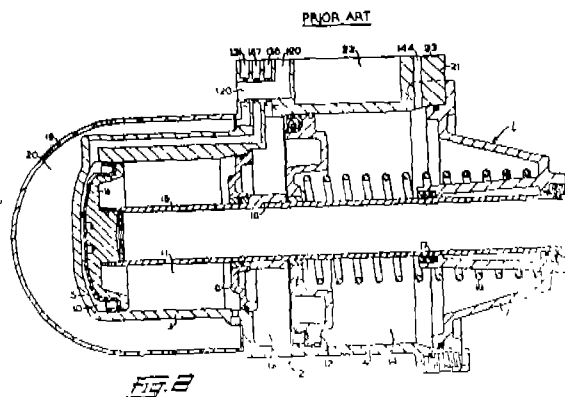
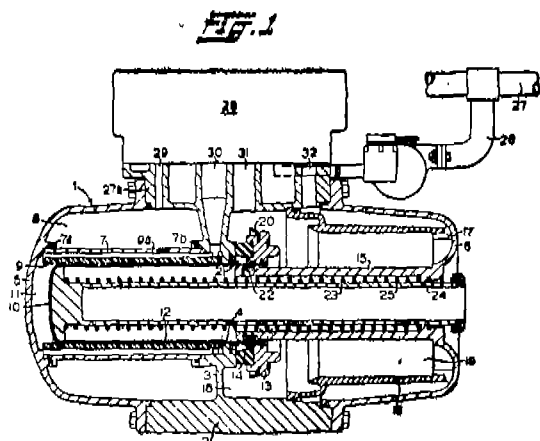
24 Claims

A combined brake cylinder with air reservoir comprising :

- (a) a main cylinder housing having a partition with an axial opening therein;
- (b) a first cylinder on one side of said partition;
- (c) a second cylinder on the opposite side of said partition;
- (d) a seal support sleeve projecting inwardly from said second cylinder;

(e) a dual-piston assembly movable between a brake application position and a brake release position comprising :

- (i) a positioning piston having an elongated, tubular shaped body operatively disposed in said opening with a closed end thereof on one side of said partition and an open end on said opposite side through which open end said seal support sleeve extends into said tubular body, said positioning piston cooperating with said first cylinder and said one side of said partition to form a positioning chamber; and
 - (ii) an annular power piston connected to said tubular body at said open end thereof so as to form in cooperation with said partition and said second cylinder an application chamber, and to form in cooperation with said second cylinder and said seal support sleeve a release chamber;
- (f) first seal ring means engageable with the outer periphery of said tubular body and said partition for effecting fluid pressure isolation between said positioning chamber and said application chamber; and
- (g) second seal ring means engageable with the inner periphery of said tubular body and said seal support sleeve for effecting fluid pressure isolation between said release chamber and atmosphere chamber formed within said tubular shaped positioning piston.



(Compl. specn, 27 pages.)

Drgs. 2 sheets

Int. Cl.⁴ : F 16 K 11/06.

A SINGLE HANDLE FAUCET VALVE.

Applicant : UNITED STATES BRASS CORPORATION, A CORPORATION INCORPORATED UNDER THE LAWS OF DELAWARE, U.S.A. OF 901 TENTH STREET, PLANO, TEXAS 75074, U. S. A.

Inventor : DENNIS JOSEPH HAYMAN.

Application No. 977/Mas/84 filed 12 December 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-2.

4 Claims

A single handle faucet valve, comprising in combination :

- (a) a valve body means defining a chamber having a longitudinal axis;
- (b) hot and cold water inlets communicating with said chamber;
- (c) hot and cold water inlet porting seal means having openings communicating with said hot and cold water inlets;
- (d) a control member (27) with a surface having spaced openings therein movable into and out of registry with said inlet porting seal openings;
- (e) stem means comprising a lever portion (101) a stem ball (133) and a lower end portion (72);
- (f) a retainer member (13) comprising in upper stem ball seat (109);
- (g) a stem bearing member (23) comprising a lower stem ball seat (127) and an upwardly facing sealing ring groove (129);
- (h) a stem ball sealing ring (19) disposed in said upwardly facing sealing ring groove (129);
- (i) means (71, 69) interconnecting the lower end portion of said stem (17) with said control member (27) so that movement of said stem (17) moves said control member (27);
- (j) means (11) for fixing said retainer member (13) within said valve body chamber with said stem ball (133) captured between said upper (109) and lower (127) stem ball seats;
- (k) means for limiting the movement of said stem bearing member (23) in the directions of the longitudinal axis of said valve body, said means comprises lower stem ball seat (127) and stem ball (133), said stem bearing member (23) will move upwardly responsive to water pressure and its maximum upward movement will be limited by contact of said lower stem ball seat (127) with said stem ball (133), thus permitting the compression of said

sealing ring (19) to vary with magnitude of the water pressure and limiting its maximum compression.

163922

Int. Cl.⁸ : F 24 D 1/04, 1/06.

ELECTRONIC EXPLOSIVE DELAY DETONATOR.

Applicant : DYNAMIT NOBEL AKTIENGESELLSCHAFT, OF POSTFACH 1261, 521-TROISDORF, WEST GERMANY, A COMPANY ORGANISED UNDER THE REPUBLIC OF GERMANY.

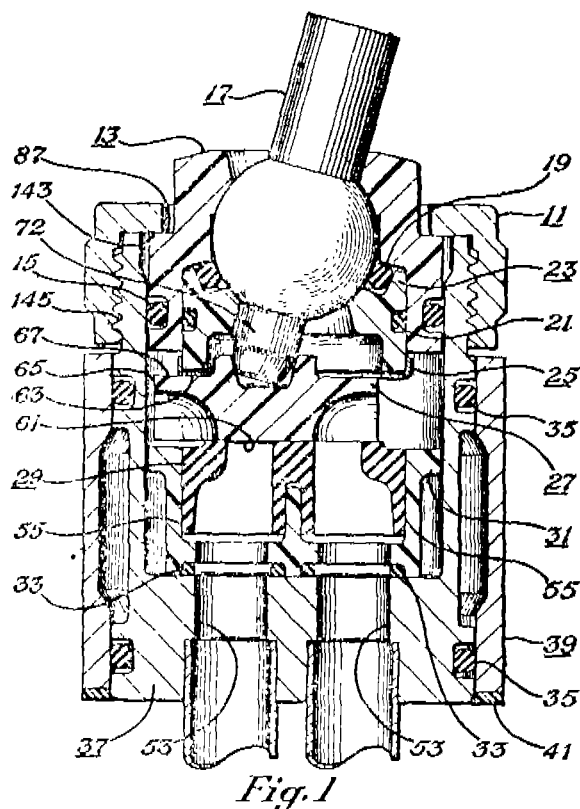
Inventors : (1) DR. JOHANN FLORIN, (2) DR. FRIEDRICH HEINEMEYER, (3) PETER ROH AND (4) HANS-MARTIN STORRLE.

Application No. 992/Mas:84 filed December 15, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

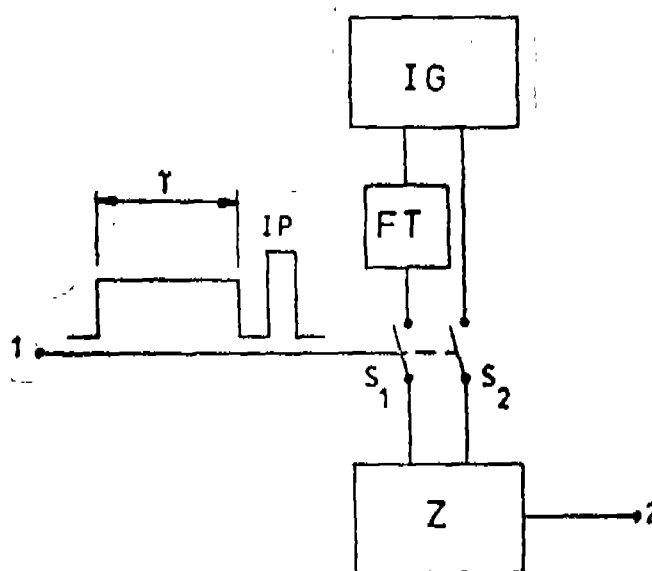
10 Claims

Electronic explosive delay detonator for the connection to at least one blasting detonating machine (ZM) supplying a time signal (T), with a signal source (IG, FT; KSQ1, KSQ2), which supplies, in a charging phase determined by the time signal, a first signal current for the charging of an integrator (Z, CT), and with a control arrangement (S, S₀), which, after elapse of the charging phase, enters a delay phase in which the signal source supplies a second signal current for discharging or for the renewed charging of the integrator, with a detonation signal being produced if the contents of the integrator here decreased to a predetermined value or, on renewed charging of the integrator, the stored integration value of the charging phase is reached, wherein the signal source (IG, FT; KSQ1, KSQ2) is reversible so that it produces the two signal currents with different values corresponding to a predetermined ratio to one another.



Compl. specn. 13 pages.

Drgs. 3 sheets



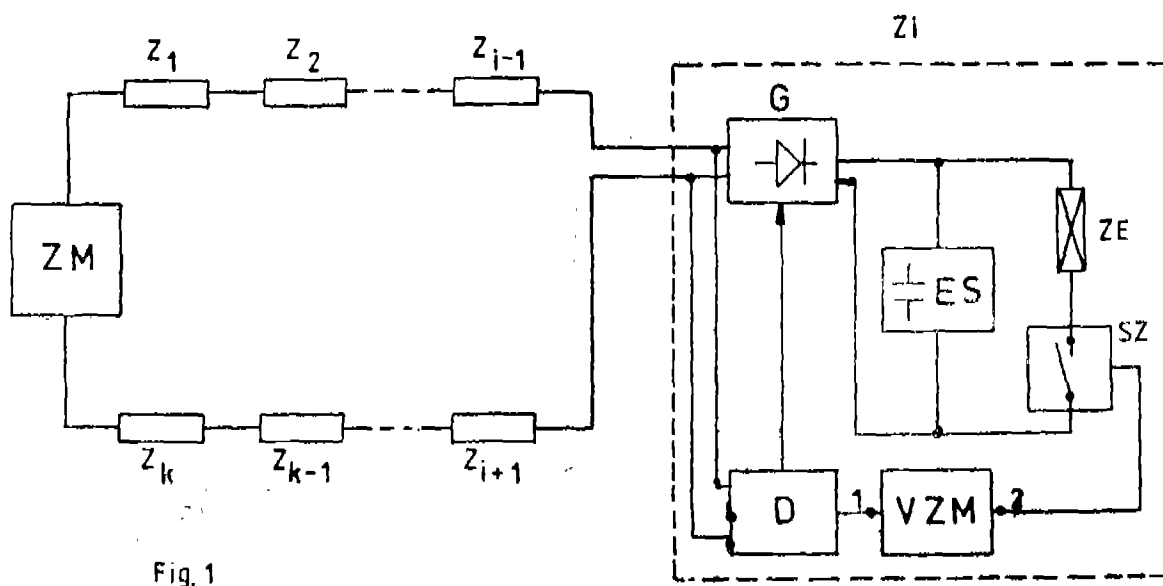


Fig. 1

Compl. specn. 30 pages.

Drgs. 6 sheets

163923

Int. Cl.⁴ : B 01 D 53/02.

AN IMPROVEMENT IN THE CYCLE PRESSURE SWING ADSORPTION PROCESS FOR THE PURIFICATION OF A GASEOUS STREAM.

Applicant : LNDE AKTIENGESellschaft, OF ABRAHAM-LINCOLN STRASSE 21, D-6200 WIESBADEN, FEDERAL REPUBLIC OF GERMANY, A GERMAN COMPANY.

Inventor : CHRISTIAN BÄNKMANN.

Application No. 1029/Mas/84 filed 22 December 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-2.

7 Claims

In a cyclic pressure swing adsorption process for the purification of a gaseous stream with the use of six adsorbers cyclically operated, wherein the gaseous stream during an adsorption phase at the highest process pressure is conducted through an adsorber, and purified gas is withdrawn from the outlet end of the adsorber, the adsorber being subjected, after termination of the absorption phase, to a multistage cocurrent expansion, and the resultant expansion gases being utilized, in part, for pressure buildup of other, previously scavenged adsorbers and in part, for scavenging another adsorber which is at the lowest process pressure whereafter a countercurrent expansion is performed to the lowest process pressure and scavenging is conducted with cocurrent expansion gas from another adsorber, followed by multistage pressurizing to the adsorption pressure with cocurrent expansion gas and purified product gas, the improvement comprising operating the process with only one adsorber at a

time in an adsorption phase, and with four or five cocurrent expansion phases, of which one yields scavenging gas for another adsorber and the remaining expansion gases are conducted in pressure equalization with other adsorbers to be pressured.

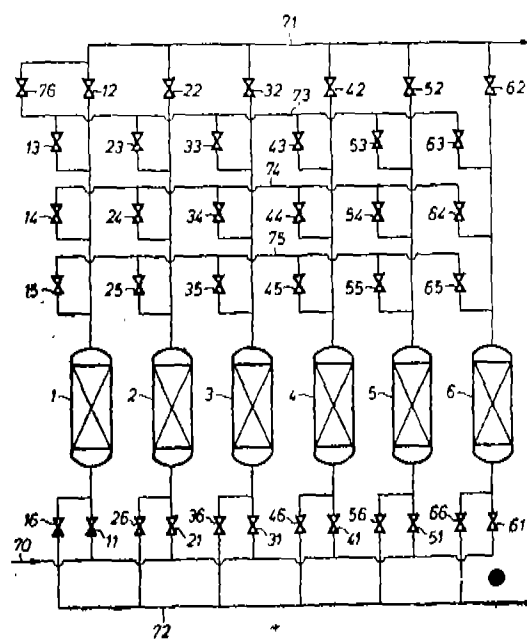


Fig. 1

Compl. specn. 17 pages.

Drgs. 2 sheets

Int. Cl.⁴ : B 22 D 41/00; 41/10.

163924

AN APPARATUS FOR SEALING THE RIM OF A LADLE AS IT IS POSITIONED ADJACENT A LADLE PREHEATER.

Applicant : J T THORPE COMPANY, A TEXAS CORPORATION, OF 6833 KIRBYVILLE, HOUSTON, TEXAS 77033, U. S. A.

Inventors : MACK A HOUNSEL.

Application No. 1051/Mas/84 filed December 28, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-2.

11 Claims

An apparatus for sealing the rim of a ladle as it is positioned adjacent a ladle preheater, comprising :

(a) a plurality of refractory fiber ring insulation units having inner and outer faces transverse to their radial mounting planes each of said units comprising :

(1) a plurality of adjacent layers of refractory ceramic fiber insulating material;

(2) said layers having an inner surface portion adjacent the preheater;

(3) an inner section retainer member mounted to the frame support of the preheater for enclosing the frame adjacent a burner inlet and exhaust outlet for the preheater;

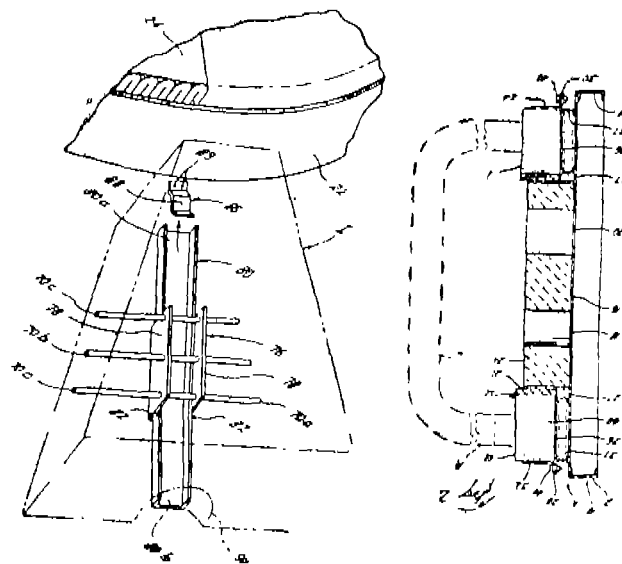
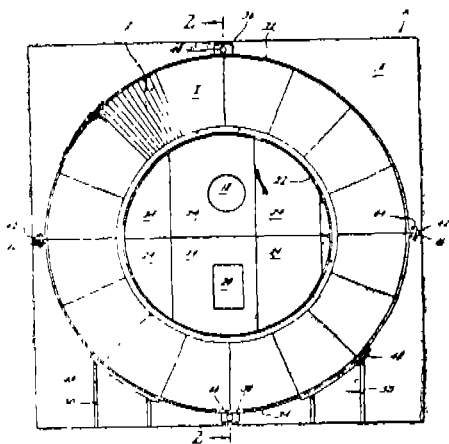
(4) said layers further having an outer surface portion adapted to be contacted by the rim of the ladle during preheating of the ladle;

(5) compression ring means for supporting said insulation units in position when contacted by the ladle rim;

(6) said layers further having intermediate portions extending between said inner and outer surface portions;

(b) means conforming to the shape of the rim of the ladle for mounting said plurality of refractory fiber insulation units adjacent the preheater;

(c) said layers being mounted on said means for mounting in planes extending radially outwardly from a central portion of the ladle.



Compl. specn. 15 pages.

Drgs. 2 sheets

Int. Cl.⁴ : B 01 D 53/14.

163925

PROCESS FOR THE SEPARATION AND SIMULTANEOUS RECOVERY OF CO₂ FROM GAS MIXTURES.

Applicant : LINDE AKTIENGESELLSCHAFT, OF ABRAHAM-LINCOLN-STRASSE 21 D-6200 WIESBADEN, FEDERAL REPUBLIC OF GERMANY, A GERMAN COMPANY.

Inventors : GERHARD RANKE; ULRICH SCHRADER.

Application No. 9/Mas/85 filed 2nd January 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-2.

2 Claims

Process for separation and simultaneous recovery of CO₂ from a crude gaseous mixture containing CO₂ and hydrogen with a physical solvent by pressure scrubbing, in which the pressure on the charged solvent is reduced to a first intermediate pressure for degassing of the coabsorbed inerts, then is gradually reduced further for separation of the bulk of the absorbed CO₂ from the charged solvent and lastly is brought to a final pressure for removal of the residual CO₂ and regeneration of the solvent, after which the solvent is recycled to the pressure scrubbing, characterized in that a portion of the scrubbed gas is branched off, expanded to the final pressure at which the solvent is regenerated and is used as stripping gas for removal of the residual CO₂ from the solvent, and that the stripping gas is withdrawn together with the stripped residual CO₂ from the solvent, that the resultant mixture is compressed to the crude gas pressure, and that the resultant compressed mixture is added to the crude gas before scrubbing.

Compl. specn. 10 pages.

Drg. 1 sheet

163928

Applicant : BBC BROWN, BOVERI LIMITED OF CH-5401 BADEN, SWITZERLAND, A SWISS COMPANY.

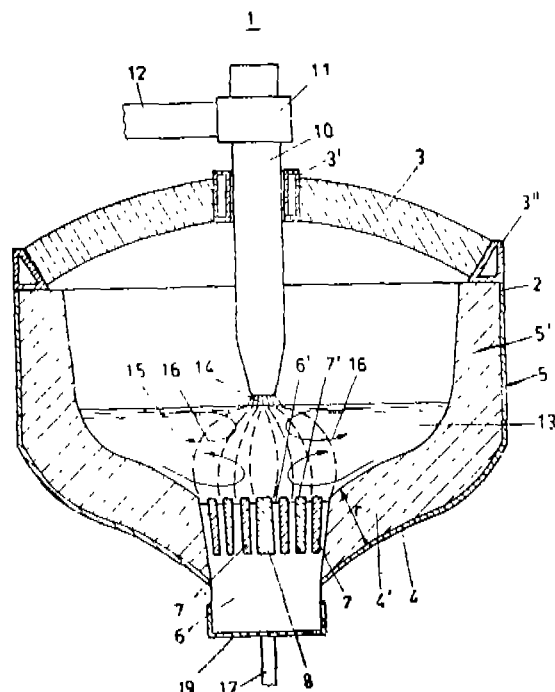
Inventor : KARL BUHLER.

Application No. 72/Mus/85 filed 28 January 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-2.

11 Claims

Direct current arc furnace for melting metals characterized in that at least one electrode is provided at the bottom of the said furnace, the said electrode having at least one metallic electrode component and one non-metallic electrode component on the surface coming in contact with the melting bath, wherein the metallic and non-metallic electrode components are arranged in a complementary manner to each other in such a way their length (1) which is greater than their width lies in the direction of the electromagnetic field of the bottom electrode.



Compl. specn. 16 pages.

Drgs. 4 sheets

Inventors : MARC BAVIERE, JEAN-CLAUDE MOULU,
LASZLO SCHMIDT, GYULA GESZTESI, TIBOR PAAL,
GYORGY TISZAI, GYORGYI GAAL.

Application No. 73/Mas/85 filed 28 January 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-2.

10 Claims

An improved process for the enhanced recovery of crude oil from a geological formation forming an oil reservoir, with a significant cation exchange capacity, characterized in that it comprises injecting an aqueous driving fluid containing injection water into the formation through at least one injection well, after introducing into the injection well an aqueous displacement slug adapted to push the oil to at least one production well, said slug containing a micellar solution of a concentration in injection water lower than 10 percent of anionic surfactant being adapted to exchange ions with the formation and being formed of a plurality of successively injected zones at least some of said zones containing at least one anionic surfactant to provide a surfactant gradient concentration decreasing over a portion of the slug with the lowest concentration which could be equal to zero being at the zone last introduced into the injection well, the slug zone introduced first into the injection well containing an auxiliary agent which reduces the solubility of the anionic surfactant in the injection water and the slug zone introduced last into the injection well containing an auxiliary agent which enhances the solubility in the injection water of the anionic surfactant brought to the formation by previously injected zones of the slug to maintain the slug efficiency at an optimum value throughout the plurality of zones of the slug; the concentration of said auxiliary agent which enhances the solubility of the anionic surfactant in the injection water being lower than 10 percent in the zone introduced last when said auxiliary agent is a low molecular weight alcohol.

Compl. specn. 25 pages.

Drgs. 3 sheets

Int. Cl.⁴ : F 16 G 1/00.

163930

A METHOD OF FORMING A DOUBLE-TOOTHED
TIMING BELT.

Applicant : MITUBOSHI BELTING LTD., A JAPANESE CORPORATION, OF NO. 1-21, 4-CHOME, HAMAZOE-DORI, NAGATA-KU, KOBE-CITY, HYOGO, PREF, JAPAN.

Inventors : TOSHIHIRO TANAKA, KEIICHI YOSHIMI,
SHIGEO GOTO.

Application No. 91/Mas/85 filed 4 February 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-2

19 Claims

A method of forming a double toothed timing belt, comprising the steps of :

- (a) forming a continuously looped timing belt preform having cog teeth disposed seriatim in one longitudinal face thereof;
- (b) forming in situ on the face of the belt preform opposite to the said longitudinal face at a first portion of the belt surface aligning a plurality of cog teeth accurately with the cog teeth on the said longitudinal face at a first portion of the belt surface; and

Int. Cl.⁴ : E 21 B 43/25

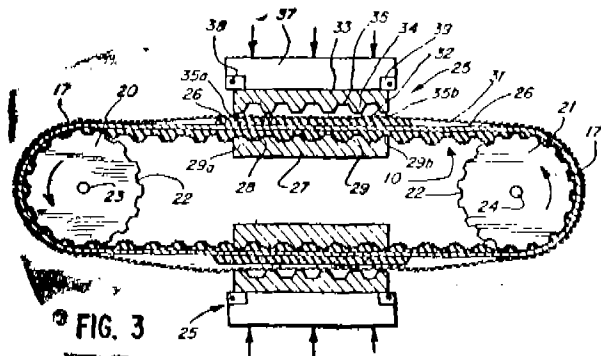
163929

AN IMPROVED PROCESS FOR THE ENHANCED RECOVERY OF CRUDE OIL FROM GEOLOGICAL FORMATION.

Applicant : INSTITUT FRANCAIS DU PETROLE,
ORGANISME PROFESSIONNEL, AYANT SON SIEGE
SOCIAL AU : OF 4, AVENUE DE BOIS-PREAU, 92502
RUEIL-MALMAISON, FRANCE.

MAGYAR SZENHIDROGENIPARI KUTATO-FEJLES-
ZTO INTEZET, OF POST OFFICE BOX 32, H-2443
SZAZHALOMBATTA, HUNGARY.

- (c) repeating step (b) on at least one successive portion opposite to the longitudinal face of the belt preform until the entire length of the belt preform is provided with cog teeth on said opposite face aligned accurately correspondingly with the cog teeth in said longitudinal face.



Compl. specn. 17 pages.

Drgs. 2 sheets

163931

Int. Cl.⁴ : D 01 H 7/882.

OPEN-END ROTOR SPINNING APPARATUS.

Applicant : SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESellschaft, A GERMAN COMPANY, OF FRIEDRICH-EBERT-STRASSE 84, 8070, INGOLSTADT, GERMANY.

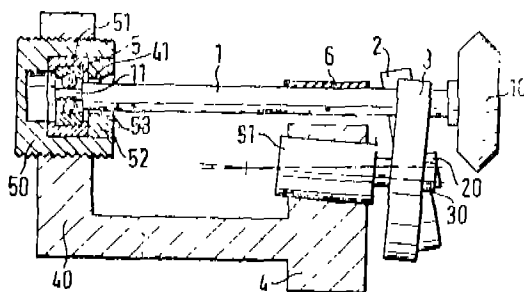
Inventors : (1) HANS LANDWEHRKAMP, (2) EUGEN HINI, (3) EBERHARD GRIMM AND (4) KURT INDERST.

Application No. 95/Mas/85 filed February 6, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

32 Claims

An open end rotor spinning apparatus having a rotor shaft which is driven and mounted in the V-gap between support discs (2, 3) in two bearing positions, one of which being formed by support discs disposed in the vicinity of the spinning rotor and the other being an axial bearing (5) which absorbs axial and radial forces receiving the free end of the rotor shaft.



Compl. specn. 20 pages.

Drgs. 4 sheets

163932

Int. Cl.⁴ : B 01 F 13/02.

AN APPARATUS FOR THE MIXING OF SLURRIES.

Applicant : MAGYAR ALUMINIUMIPARI TROSZT, OF BUDAPEST, XIII, POZSONYI UT 56, HUNGARY, A HUNGARIAN COMPANY.

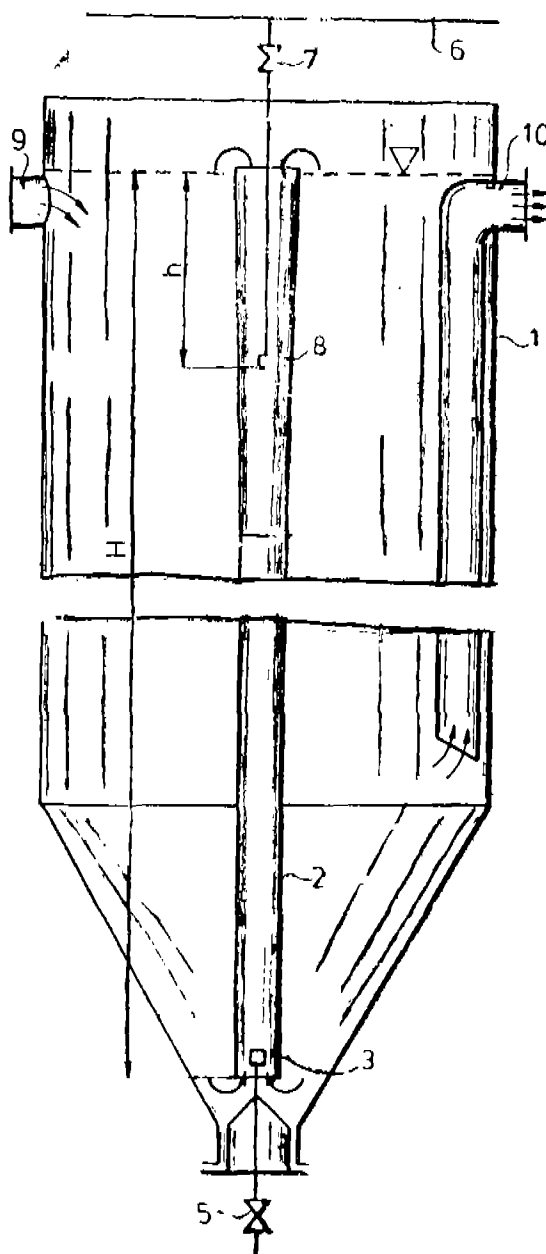
Inventors : JOZEF HARSANYI; JANOS PINTER. ALAJOS SURI.

Application No. 109/Mas/85 filed 11 February 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-2.

6 Claims

An apparatus for mixing slurries comprising a tank (1) having a conical bottom provided with a mammoth pipe (2) in its middle part, the lower part of the said mammoth pipe being provided with a lower inlet head (3) connected to a compressed air hose (4), an upper air inlet head (8) provided in the said mammoth pipe at 0.667 to 0.875 times the height of the mammoth pipe, which upper air inlet head (8) being connected to a compressed air hose (6) having a pressure less than that of the compressed air hose (4) connected to the lower air inlet head (3) and shut off devices, (5, 7) provided between the air inlet heads (3, 8) and corresponding hoses (4, 6).



Compl. specn. 19 pages

Drg. 2 sheets

163933

163934

Int. Cl.⁴ : E 04 C 3/10.

NEW METHOD OF PRESTRESSING OF BEAMS.

Applicant & Inventor : DHARAPURAM KRISHANSWA-MYRAO MURALI, C/O, MR. D. R. K. RAO, 556-1 CROSS, V MAIN ROAD, HANUMANTH NAGAR, BANGALORE-560 019, INDIAN NATIONAL.

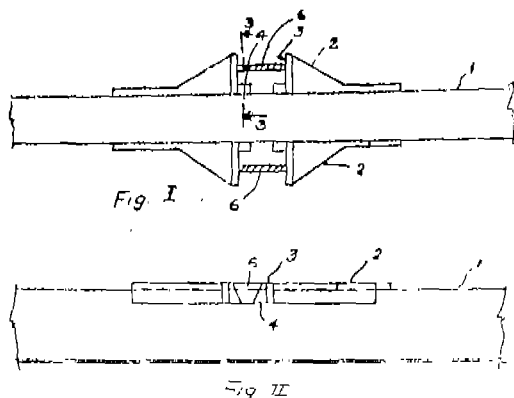
Application No. 120/Mas/85 filed 13 February 1985.

Complete Specification left : 30th December 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-2.

8 Claims

A method of producing a prestressed beam, slab or like structural member which is supported horizontally to carry or support vertically acting loads, comprising fixing a pair of bearing plates on each side of the member and on opposite sides of the centre of the member, welding a wedge seating plate to each of said bearing plates, mounting jacks between bearing plates on opposite sides of the member, operating the jacks till desired tensile force is induced in the member driving a wedge between each said seating plates on each side of the member, welding the wedges to the seating plates and removing the jacks.



Compl. specn. 8 pages.

Drg. 1 sheet

Int. Cl.⁴ : D 02 G 3/30.

MACHINE FOR PRODUCING TEXTURED CREPE YARN.

Applicant : OFFICINE MECCANICHE RIVA S. R.L., VIA VIGNOLA, 7 OGGIONO (COMO-ITALY) AN ITALIAN COMPANY.

Inventor : FRANCO BIANCHI.

Application No. 121/Mas/85 filed February 13, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

5 Claims

A machine (1) for producing a textured crepe yarn, characterised in that it comprises, in a support frame (2), a yarn path (23) extending between a spindle (7) being unwound and a bobbin (18) being wound, first feed pulley (11) acting on the yarn downstream of the spindle (7), a second feed pulley (12) acting on the yarn upstream of the bobbin (18), a heater (19) located on the yarn path between the pulleys (11, 12) and traversed by the yarn, and a falsetwist spindle (9) located on the yarn path between the heater (19) and the second feed pulley (12) and traversed by the yarn.

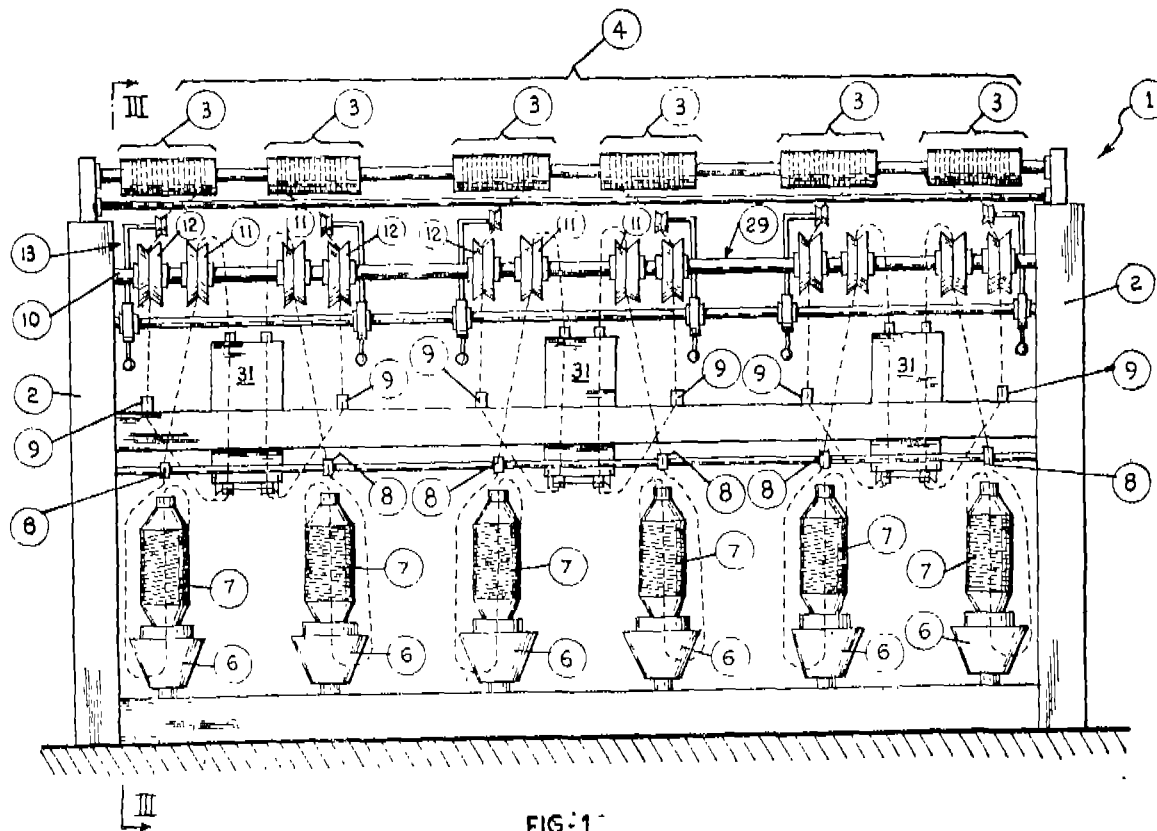


FIG. 1

Compl. specn. 11 pages.

Drgs. 3 sheets

163935

7 Claims

Int. Cl.⁴ : B 29 C 33/20.**APPARATUS FOR OPENING AND CLOSING A MOULD OF A PLASTICS-MOULDING MACHINE.**

Applicant : MAUSER-WERKE GmbH, A GERMAN COMPANY OF SCHILDGESSTRASSE, 71-163, 5040 BRUHL, GERMANY.

Inventor : PETER LANGOS.

Application No. 189/Mas/85 filed 14 March 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-2.

5 Claims

Apparatus for opening and closing a mould of a plastics-moulding machine, comprising two supports for respective mould halves, mould support moving means for relative movement of the mould supports from a fully open position of the mould halves into a partly-closed position thereof in which couplings of the mould supports are interengaged, and closing means for relative movement of the interengaged couplings for bringing the mould halves into a fully-closed position during use wherein the closing means are arranged for fully confining the reaction forces thereof between the mould supports.

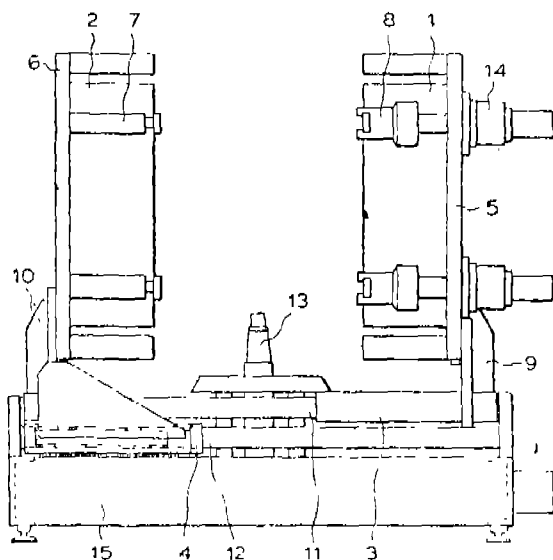


FIG 1

Compl. specn. 12 pages.

Drgs. 2 sheets

163936

Int. Cl.⁴ C 07 C 45/49, 47/00.**A LIQUID RECYCLE RHODIUM CATALYSED HYDROFORMYLATION PROCESS FOR PRODUCING ALDEHYDES.**

Applicant : UNION CARBIDE CORPORATION, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF NEW YORK OF OLD RIDGEBURY ROAD, DANBURY, STATE OF CONNECTICUT 06817, U. S. A.

Inventor : MICHAEL ALVARO BLESSING, GREGORY JOSEPH DEMBOWSKI; GREGORY KEITH FINNELL.

Application No. 244/Mas/85 filed 29 Mar. 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-2.

In a liquid recycle rhodium catalysed hydroformylation process for producing aldehydes, wherein an olefinic compound having 2 to 8 carbon atoms, carbon monoxide and hydrogen are reacted in a presence of a solubilized rhodium-phosphorus complex catalyst, free phosphorus ligand and higher boiling aldehyde condensation by-products to produce an aldehyde product and wherein said aldehyde is separated and recovered from a liquid reaction aldehyde product solution containing aldehyde product, solubilized rhodium-phosphorus complex catalyst, free phosphorus ligand and higher boiling aldehyde condensation by-products that has been removed from the hydroformylation reactor, by vaporizing the aldehyde product contained in said solution to obtain a vaporized aldehyde product stream consisting essentially of aldehyde product, vaporized phosphorus ligand and vaporized higher boiling aldehyde condensation by-products which is disengaged in a separator from the remaining non-volatilized catalyst containing liquid reaction product solution that is recovered from the bottom of the separator and recycled back to the reaction system, the improvement comprises :

- (a) selectively separating the phosphorus ligand contained in said vaporized aldehyde product stream by thoroughly contacting said stream with a dispersed liquid having a lower boiling point than said higher boiling aldehyde condensation by-products so as to condense the vaporized phosphorus ligand and vaporized higher boiling aldehyde condensation by-products contained in said volatilized aldehyde product stream, and
- (b) recovering the condensed phosphorus ligand and condensed higher boiling aldehyde condensation by-products so obtained from said volatilized aldehyde product stream, said dispersed liquid being employed in the form of droplets and in an amount such that the percent of phosphorus ligand so separated and recovered is at least 1.2 times higher than the percent of higher boiling aldehyde condensation by-products also so separated and recovered wherein the amount ratio of dispersed liquid employed per flow rate of volatilized aldehyde product stream is 5 to 60 pounds per hour of dispersed liquid per 1000 pounds per hour of volatilized aldehyde product stream and the relative volatility of the higher boiling aldehyde condensation by-products to phosphorus ligand is from 10 to 5000.

Compl. specn. 40 pages.

Drg. Nil

163937

Int. Cl.⁴ : B 60 J 11/00.**A CANOPY ASSEMBLY FOR MOUNTING ON THE ROOF OF A VEHICLE SUCH AS MOTOR CAR.**

Applicant & Inventor : VARGHESE PHILIP, AN INDIAN NATIONAL OF P.O. BOX 3731, DUBAI, U. A. E.

Application No. 588/Mas/85 filed 29 July 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-2.

11 Claims

A canopy assembly for mounting on the roof of a vehicle such as a motor car comprising upper and lower covers enclosing said assembly, clamp means for fixedly attaching said assembly to said vehicle roof, support means for supporting said assembly on the said vehicle roof, and an assembly body comprising a pair of rollers disposed in substantially axial parallel relationship on a central support column located in said body each said roller being spring loaded and provided with a pair of curtains having their inner ends fixedly mounted to said rollers and their free ends each adapted to be oppositely extended in a direction transverse of the axis of each said roller, the outer or free ends of said curtains being provided with attachment means for anchoring said free ends when in their extended position to co-operating attachment means provided on the vehicle.

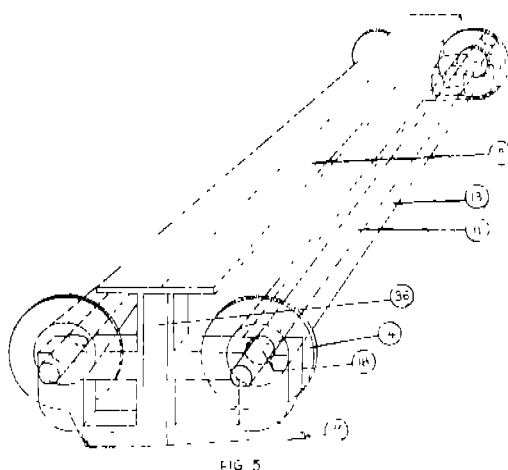


FIG 5

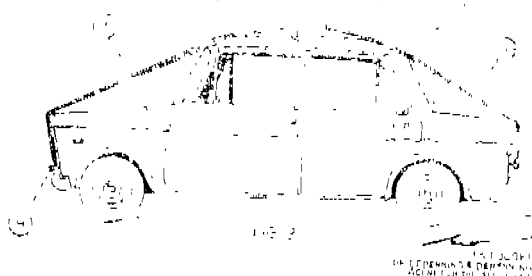


FIG 2

Compl. specn. 11 pages.

Drgs. 5 sheets

CLASS :

163938

Int. Cl.⁴ : C 02 F 3/34.

A BIOPROCESS FOR THE PURIFICATION OF UREA AND AMMONIA BEARING EFFLUENT.

Applicant : SOUTHERN PETROCHEMICAL INDUSTRIES CORPORATION LIMITED 97 MOUNT ROAD, MADRAS-600 032, TAMIL NADU, INDIA, AN INDIAN COMPANY.

Inventor : GURUSWAMY PRABHAKARAN.

Application No. 870/Mas/85 filed 31 Oct. 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-2.

3—367 GI/88

4 Claims

A bioprocess for the purification of urea and ammonia bearing effluent comprising the steps of preparing a mixed culture of ureolytic and non-ureolytic bacteria in a medium comprising a carbon source such as a disaccharide and a nitrogen source such as corn steep liquor, polypeptones, vitamin free casitone and yeast extract either individually or in combination, the bacteria being selected from the genera micrococcus, corynebacterium, bacillus, proteus and sarcina in at least one tank; admitting the said effluent into the tank, the contents whereof are maintained in uniform concentration by mild stirring, and treating the resulting urea-hydrolysed effluent, thereafter, by known methods for reducing increased ammonia concentration, such as, by ammonia stripping, to obtain the purified effluent.

The bioprocess under this invention is very useful for treating the industrial effluent coming out of the plants manufacturing the processing urea and ammonia.

Compl. specn. 11 pages.

Drg. Nil

CLASS :

163939

Int. Cl.⁴ : A 01 K 9/16.

A PROCESS FOR PREPARING GRANULES OF IBUPROFEN WITH FREE-FLOWING PROPERTIES, COMPRESSION PROPERTIES AND FORMULATION PROPERTIES SUITABLE FOR PHARMACEUTICAL PREPARATION.

Applicant : THE BOOTS COMPANY PLC, A BRITISH COMPANY OF 1 THANE ROAD WEST, NOTTINGHAM, ENGLAND.

Inventor : KETH ALLAN; DAVID WESLEY BOGAN; JIYV-REN CHEN; RICHARD MICHAEL SLATER.

Application No. 174/Mas/87 filed 12 March, 1987.

Convention date : 19th March 1986 (No. 86/06762; Great Britain).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

13 Claims

A process for preparing granules of ibuprofen with free-flowing properties, compression properties and formulation properties, suitable for pharmaceutical preparations comprising compacting crystalline ibuprofen having crystals with a median particle size of 5—10 μ m from and containing 1 to 50% by weight of a liquid hydrocarbon, to cause an aggregation of the crystals to form a granular material consisting essentially of ibuprofen, comminuting the granular material and selecting the granules having a median particle size in the range 50—2000 and a bulk density in the range 0.3—0.9 g/cm³, said liquid hydrocarbon having been removed from the granular material or the granules by drying.

The preparation according to this invention is useful in the treatment of pain and inflammation, including rheumatoid, arthritis and osteoarthritis.

Compl. specn. 33 pages.

Drg. Nil

CLASS : 163940

Int. Cl.⁴ : C 09 D 3/48.

AN IMPROVED SURFACE COATING COMPOSITION AND A PROCESS FOR PREPARING THE SAME.

Applicant : ALCAN INTERNATIONAL LIMITED, A COMPANY ORGANISED UNDER THE LAWS OF CANADA, OF 1188 SHERBROOKE STREET, WEST, MONTREAL, QUEBEC, CANADA H3A 3G2.

Inventor : JOHN HARRY WALLICE TURNER.

Application No. 1013/Mas/84 filed 19 December, 1984.

Convention date : 22nd December 1983 (No. 8334268; U. K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-2.

14 Claims

A surface coating composition comprising :

- (i) at least one aluminium compound which is an aluminium alkoxide or a compound derived from an aluminium alkoxide;
 - (ii) a stabiliser comprising at least one organic base such as organic amine or a mixture of said organic base with ammonia;
 - (iii) a metal containing organic compound is selected from carboxylic acid salts and esters of the metals Cu, Mn, Fe, Co, Zn and the rare earth metals;
- in a polymerised drying or semi-drying oil, an alkyl resin or an oleo-resinous medium as herein described.

Compl. specn. 39 pages.

Drg. Nil

CLASS : 163941

Int. Cl.⁴ : C 09 D 3/48.

IMPROVED SURFACE COATING COMPOSITIONS.

Applicant : ALCAN INTERNATIONAL LIMITED, OF 1188, SHERBROOKE STREET WEST, MONTREAL, QUEBEC, CANADA H3A 3G2.

Inventor : JOHN H W TURNER.

Application No. 1014/Mas/84 filed December 19, 1984.

Convention date : December 22, 1983 (No. 8334267; United Kingdom).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

10 Claims

A coating composition comprising :

- (i) a medium which may be pigmented or unpigmented and which comprises a drying or semi-drying oil, an oil-soluble resin and/or an oil-modified alkyl resin, with addition preferably of a known appropriate surface drier for the medium;
- (ii) at least one aluminium compound which is an aluminium alkoxide or a compound derived from an aluminium alkoxide;
- (iii) a primary stabiliser comprising at least one volatile base selected from ammonia, aqueous ammonia, an alkylamine, a cycloalkylamine, an arylamine, an alkanolamine and compounds thereof which by dissociation or hydrolysis release ammonia or an amine; and
- (iv) a secondary stabiliser comprising added water.

Compl. specn. 44 pages.

CLASS : 163942

Int. Cl.⁴ : B 22 F 9/08.

A METHOD OF AND AN APPARATUS FOR MAKING METAL POWDER.

Applicant : NYBY UDDHOLM POWDER AB OF S-64 400 TORSJALLA, SWEDEN, A SWEDISH COMPANY.

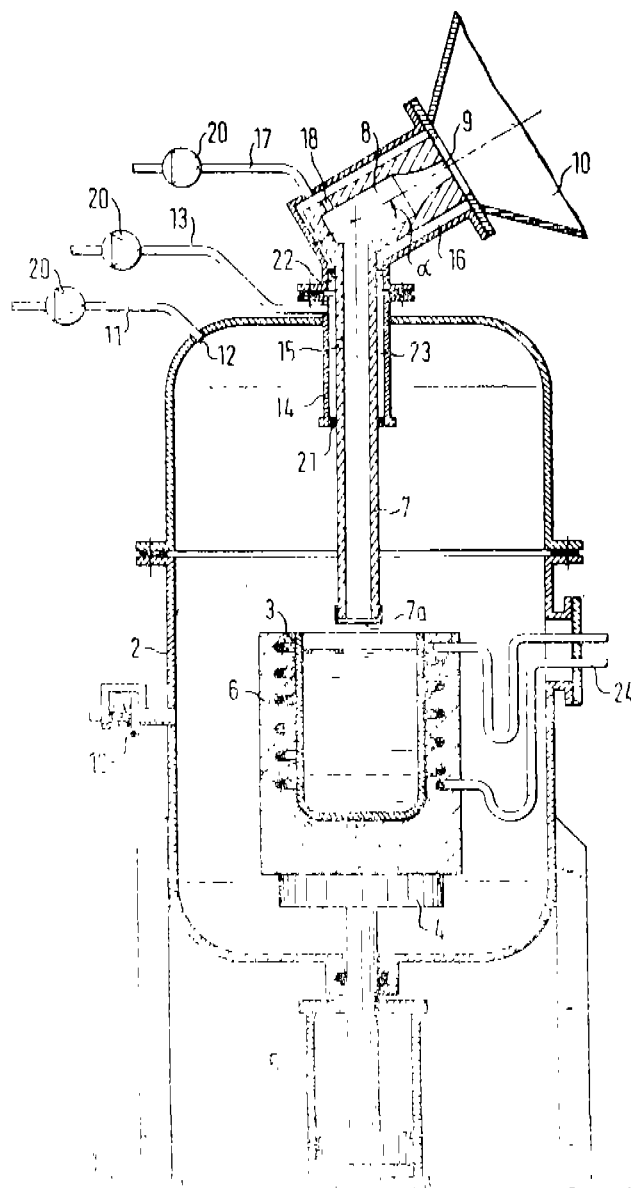
Inventor : JOSEPH WINTZELL.

Application No. 43/Mas/85 filed 18 January 1985.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-2.

12 Claims

A method of making metal powder by atomizing a metal melt comprising the steps of mixing of the metal melt with an inert gas preferably argon to form a metal froth, pressurising the metal melt to form metal droplets and blowing the metal droplets through a convergingly narrowing passage into the collection vessel at accelerated speed to form the finest metal powder.



Compl. specn. 14 pages.

Drg. 1 sheet

CLASS : 163943

Int. Cl.⁴ : F 16 D 65/12.

A SPOT-TYPE DISC BRAKE.

Applicant : LUCAS INDUSTRIES PUBLIC LIMITED COMPANY, A BRITISH COMPANY, OF GREAT KING STREET, BIRMINGHAM 19, ENGLAND.

Inventor : HEINRICH-BERNHARD RATH.

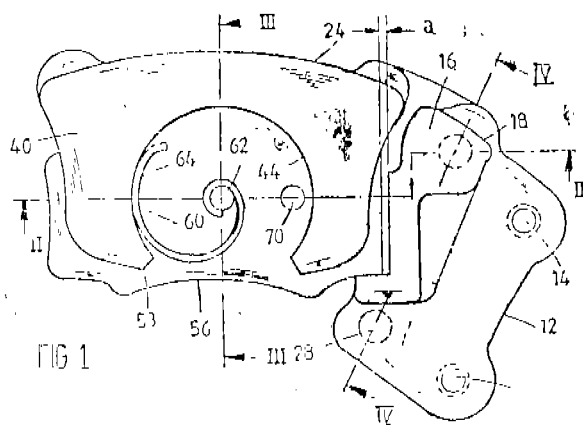
Application No. 45/Mas/85 filed January 19, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

4 Claims

A spot-type disc brake, especially for motor vehicles, comprising :

- two brake pads (46:56) disposed at either side of a brake disc (10) and each having a supporting projection (50 : 60) remote from said brake disc,
- an actuating mechanism having a piston (38) in abutment against one of the brake pads (46) and formed with a recess (42) which is engaged by the supporting projects (50) of this brake pad (46),
- a floating caliper (24) straddling both brake pads (46:56) and having a caliper leg (40) at the side of the brake disc (10) remote from the actuating mechanism and formed with a recess (44) for the supporting projection (60) of the second brake pad (56),
- a brake carrier (12) having supporting surfaces (66) for direct reception of braking forces,
- and at least one guide pin (20) which extends parallel to the axis of the brake disc (10) and along which the floating caliper (24) is displaceable with respect to the brake carrier (12) by reaction forces of the actuating mechanism, characterised in that,
- the brake carrier (12) has an arm (16) which extends across the brake disc (10),
- both brake pads (46:56) are supported directly on brake carrier (12) exclusively by a supporting surface (66) each at this arm (16) to transmit braking forces upon forward rotation of the brake disc (10),
- and the supporting projections (50:60) of both brake pads (46:56) are limited to an area in which they are supported in the respective recess (42:44) of the piston (38) of caliper leg (40) to transmit braking forces upon backward rotation only.



Compl. Specn. 11 pages.

Drgs. 2 sheets.

CLASS : 163944

Int. Cl.⁴ : G 01 D 3/04; 11/18.

AN APPARATUS FOR MEASURING FORCES.

Applicant : MICHELIN & CIE, (COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN), A FRENCH COMPANY OF 4, RUE DU TERRAIL, CLERMONT-FERRAND, FRANCE.

Inventor : M. RAYMOND FAURE.

Application No. 63/Mas/85 filed January 24, 1985.

Divisional to Patent No. 157342 (429/Cal/83).

Ante-dated to April 13, 1983.

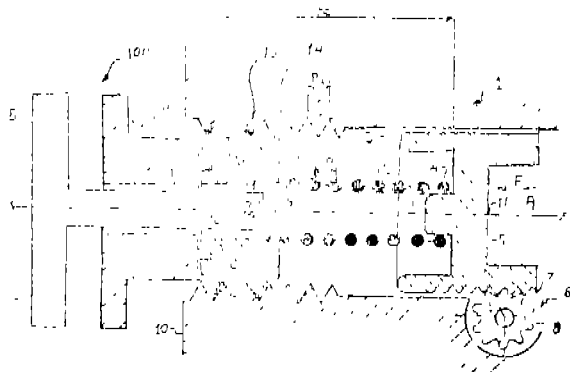
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

3 Claims

An apparatus for measuring forces resulting from the pressure of the air contained within pneumatic tires, comprising :

- (a) a coil spring housed in a body;
- (b) a movable part within the body, the said movable part capable of being subjected to the action of the force to be measured and being in contact with one end of the coil spring;
- (c) means to visualize the correlation between the position of the movable part within the body and the value of the force acting on it;
- (d) an adjustment sleeve within the body with an external thread screwed into an internal thread of the body, the adjustment sleeve being in contact with the other end of the coil spring;
- (e) the said adjustment sleeve having an internal thread within which the coil spring is screwed; and
- (f) the external and internal threads of the adjustment sleeve having the same pitch,

characterised by means to adjust the positions of the adjustment sleeve and of the coil spring within the body of the said apparatus, said means being removable.



Compl. specn. 11 pages.

Drgs. 2 sheets

CLASS :

163945

Int. Cl.⁴ : E 02 F 3/46.

A SNUBBER FOR USE WITH A DIPPER.

Applicant : ABEX CORPORATION, OF SIX LAND-MARK SQUARE, P.O. BOX 10268, STAMFORD, CONNECTICUT 06904-2268 U. S. A., A CORPORATION OF THE STATE OF DELAWARE, U.S.A.

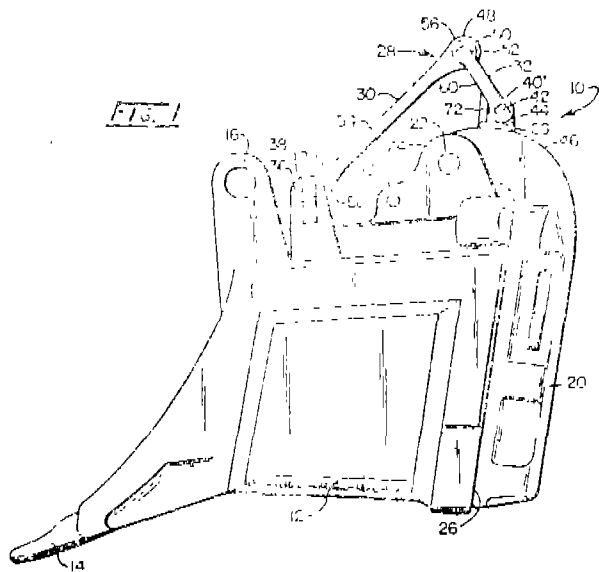
Inventors : JOHN R. OLDS, MARK R. ALT.

Application No. 262/Mas/85 filed 2 April, 1985.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-2.

7 Claims

A snubber for use with a dipper which comprises means defining an opening and a door pivotally connected to the dipper which in one position closes the opening, characterized by the snubber having an elongated member with an elastic working section and an actuator link wherein one end of the member is pivotally connected to the dipper, one end of the link is pivotally connected to the door, and the other end of the link is pivotally connected to the door, and the other end of the member is pivotally connected to the other end of the link, means for preventing pivotal movement the link in one direction when the door is at a first angle with respect to the means defining the dipper opening to thereby place the elastic working section of the elongated member in tension to retard door movement when the door is moved toward the opening and is at an angle less than the first angle and wherein the elongated member cooperates with the actuator link to define a second angle of the door with respect to the means defining the dipper opening at which the door engages the elongated member and the elongated member is placed in bending to retard door movement when the door is moved away from the opening at an angle greater than the second angle and the elastic working section of the elongated member is unstressed when the door is at an angle with respect to the opening which is between the first and second angles.



Compl. specn. 12 pages.

Drgs. 2 sheets

CLASS :

163946

Int. Cl.⁴ : F 01 D 17/14.

PRESEPARATOR FOR A PIPE CARRYING A TWO-PHASE MIXTURE.

Applicant : BBC BROWN, BOVERI LIMITED, A SWISS COMPANY, OF CH-5401 BADEN, SWITZERLAND.

Inventor : HELMUT VICTOR LANGOF VORDERER HOHENSTR.

Application No. 271/Mas/85 filed 8 April, 1985.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-2.

3 Claims

Preseparator for a pipe carrying a two-phase mixture, in particular for separating water from the working steam which is passed from one turbine section via a pipe to another turbine section, to a consumer or to the heat sink, in which the pipe (31) has at least one internal pipe (33) which constricts the cross-section an annular gap (32) of isokinetic size provided at the upstream side between the beginning of the internal pipe (33) and the pipe (31), at least one further internal pipe (34, 38, 39, 40) provided at downstream of the annular gap (32) between the internal pipe (33) and the pipe (31) dividing the interspace (35) into chambers (35a, 35b, 35c), ports (36, 37) originating from each of at least two of the chambers (35a, 35b) and the pipe (31) continuing in a steam-tight manner downstream to the last port (37).

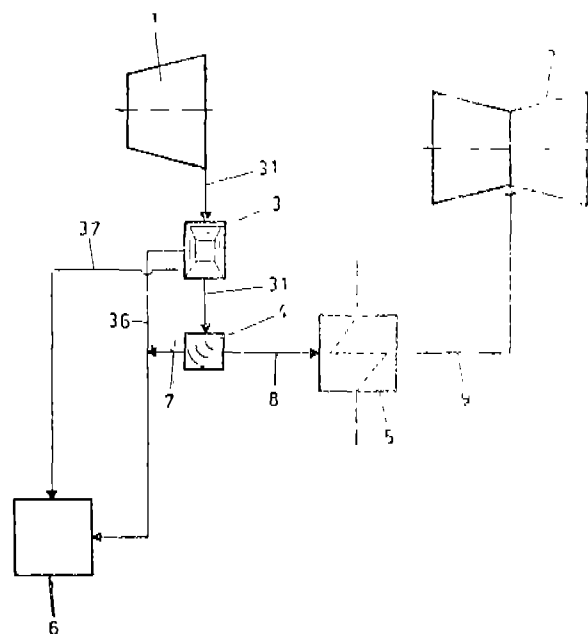


Fig. 1

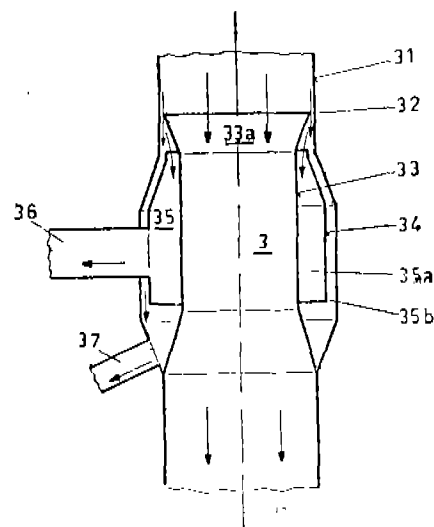


Fig. 2

Compl. Specn. 9 pages.

Drgs. 4 sheets.

CLASS :

163947

Int. Cl.⁴ : B 01 J 8/24.

AN INSTALLATION FOR GASIFYING COMBUSTIBLE MATERIALS IN A CIRCULATING FLUIDIZED BED.

Applicant : FRAMATOME & CIE, A FRENCH COMPANY OF TOUR FLAT - 1 PLACE DE LA COUPOLE, 92400 COURBEVOIE, FRANCE.

Inventors : (1) JEAN XAVIER MORIN, (2) MICHEL MARCELLIN.

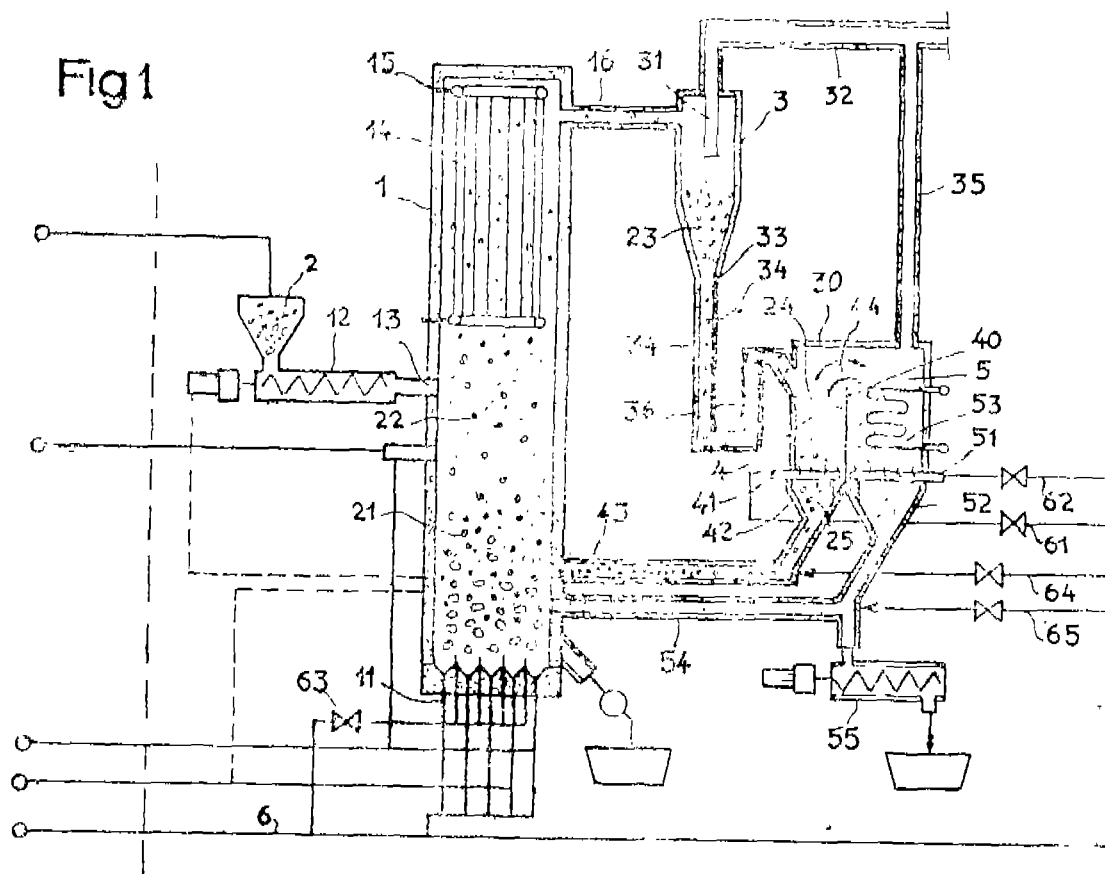
Application No. 289/Mas/85 filed April 16, 1985.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-2.

5 Claims

An installation for gasifying combustible materials in a circulating fluidized bed, comprising a fluidization reactor (1) fed with materials (2) in the form of particles and provided at its base with means (11) for effecting a fluidization by a

rising circulation of a gas at sufficient velocity to form a circulating bed, the particles being entrained with the gases to the upper part of the chamber which communicates with a discharge circuit (16) having means (3) for recovering the entrained particles (22) with an outlet orifice (31) for the purified gases and an outlet orifice (33) for the recovered particles (23) connected to the fluidization reactor (1) through a circuit for effecting a recycling of the recovered particles (23) in the fluidized bed (21) to which is connected an external device (30) for processing said particles (23) with a filtration compartment (4) provided with means for injecting a fluidization gas and a processing compartment (5) adjacent to said filtration compartment, the velocity of fluidization in the filtration compartment (4) being so regulated as to permit solely putting into suspension particles (24) of a size smaller than a given limit, and recovering the unburnt particles (25) having a particle size larger than that of the ashes characterised in that the processing compartment (5) is provided with means (91, 96) for agglomerating the ashes, a lower outlet (56) provided with means (9) for withdrawing the agglomerated ashes (26) and an upper outlet (74) for the unburnt fine particles (27) communicating with the second recycling circuit (54) leading to the fluidized bed (21).



Int. CL^A : C 07 D 207/00; 211/00; 223/00. 163948**A PROCESS FOR THE PREPARATION OF N-SUBSTITUTED ARYLALKYL AND ARYLALKYLENE AMINO-HETEROCYCLICS**

Applicant :—A. H. ROBINS COMPANY, INCORPORATED,
A CORPORATION ORGANISED UNDER THE
LAWS OF THE STATE OF VIRGINIA, U. S. A.,
OF 1405, CUMMINGS DRIVE, RICHMOND
VIRGINIA 23261-6609, U. S. A.

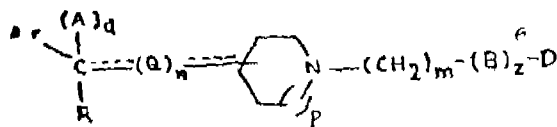
Inventors :— (1) JAMES ROBERT SHANKLIN
(2) ANTHONY GEORGE PROAKIS

Application No. 407/Mas/86 filed May 27, 1986.

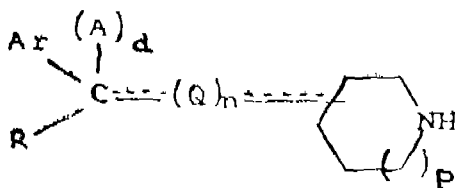
Appropriate Office for Opposition Proceedings (Rule 4,
Patents Rules, 1972), Patent Office, Madras Branch.

39 Claims

A process for the preparation of a compound having the
formula Ia of the accompanying drawings



Formula—Ia



wherein

p is zero, one or two ;

A is hydrogen, -O-R¹, -C(=O)-N, -C(=O)-NR¹R², -C(=O)-R¹,

-C(=O)-O-R¹, -O-C(=O)-R¹, -CH₂-OR¹, -CH₂-NR¹R²;
m is zero to six inclusive; OR

-C-

Q is -CH-, -CH₂- or $\begin{array}{c} \text{I} \\ | \\ -\text{C}- \\ | \\ \text{H} \end{array}$

d and n are selected from zero or one and the dotted lines
represents double bonds which may form consistent with the
valence of carbon;

Ar, D and R are selected independently from the group shown
in figures 9, 10, 11, 12 or 13 of the accompanying drawings
and in addition, R may have the values, see figure 14 of the
accompanying drawings,

Formula—II

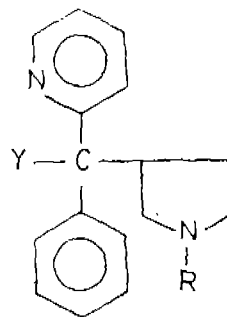


Fig. 8

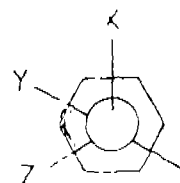


Fig. 9



Fig. 10



Fig. 11

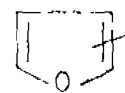


Fig. 12

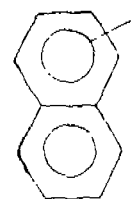


Fig. 13

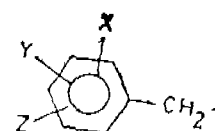


Fig. 14

cycloalkyl or loweralkyl; and D may have additionally the values; See figures 15 to 19 of the accompanying drawings

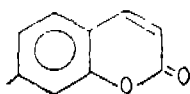


Fig. 15

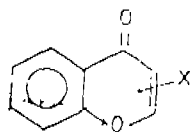


Fig. 16

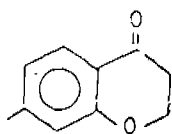


Fig. 17

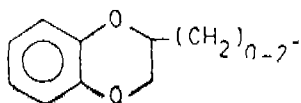


Fig. 18

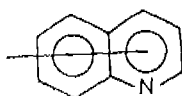


Fig. 19

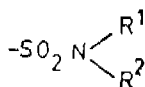


Fig. 20

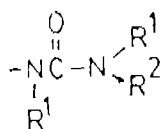
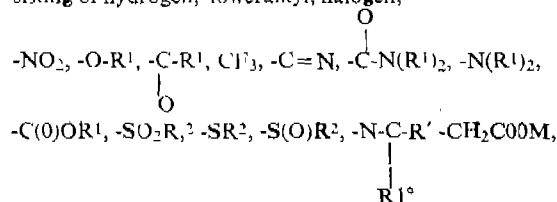


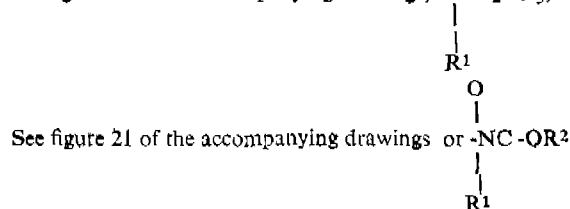
Fig. 21

or

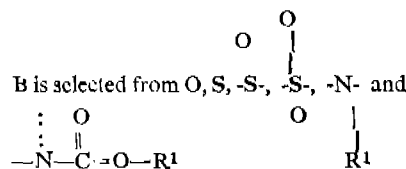
Ar(CH₂)₁₋₄; X, Y and Z are selected from the group consisting of hydrogen, loweralkyl, halogen,



see figure 20 of the accompanying drawings, -NSO₂CH₃,



See figure 21 of the accompanying drawings or



z is one or zero with the proviso that z cannot be zero at the same time n is zero when one of the following occurs at the same time that D is phenyl or substituted phenyl; (A)_d is hydrogen, (A)_d is cyano (A)_d is aminocarbonyl, or a double bond forms between the carbon and a carbon of the central heterocyclic amine ring;

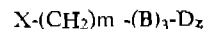
R¹ is selected from hydrogen, loweralkyl phenyl and phenyl-loweralkyl;

R² is selected from loweralkyl, phenyl and phenyl-loweralkyl;

M is pharmaceutically acceptable metal ion or a pharmaceutically acceptable salts thereof, (including acid addition salts, quaternary salts, and hydrates and alcoholates thereof) with the further proviso that (B)_z cannot represent oxygen at the same time D is phenyl or substituted phenyl when n is zero and (A)_d is hydrogen or hydroxyl or when d is zero and a double bond forms between the carbon and a carbon of a saturated central heterocyclic amine ring, the process comprising reacting a compound of the formula II of the accompanying drawings

wherein

p, A, Q, d, n, Ar and R are as defined for Formula Ia with a compound of the Formula III



wherein,

m, B, z and D are as defined above and X represents a halogen atom; optionally converting a compound of Formula Ia so formed into its pharmaceutically acceptable salts in a known manner.

The compounds prepared according to this invention are useful in treating cardiovascular disfunctions countering effects of histamine in allergies and countering gastric secretion excesses.

(Com. -153 pages;

Drawings-12 sheets)

Int. Cl.⁴ : C 07 D 243/10; 267/12; 281/08. 163949

A PROCESS FOR THE PREPARATION OF SUBSTITUTED OXAZEPINE, THIAZEPINE OR DIAZEPINE DERIVATIVE

Applicant : A. H. ROBINS COMPANY, INCORPORATED
A CORPORATION ORGANIZED UNDER THE
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OF 1405 CUMMINGS DRIVE, P. O. BOX 26609,
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STATES OF AMERICA.

Inventor : ALBERT DUNCAN CALE Jr.

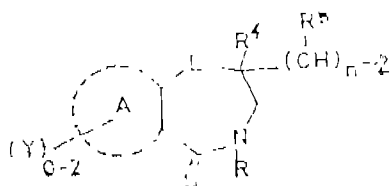
Application No. 833/MAS/86 filed October 24, 1986.

Divisional to Patent No. 161199 (65/MAS/85) Ante-dated to January 25, 1985.

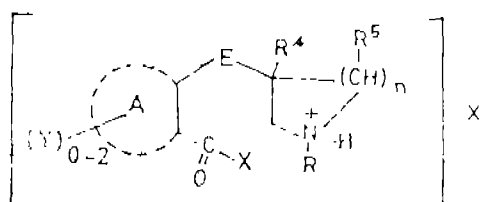
Appropriate Office for Opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

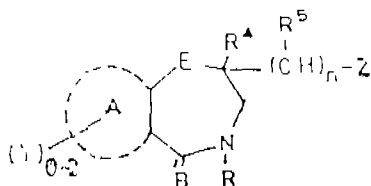
A process for the preparation of substituted oxazepine, thiazepine or diazepine derivatives of the formula Ib of the accompanying drawings.



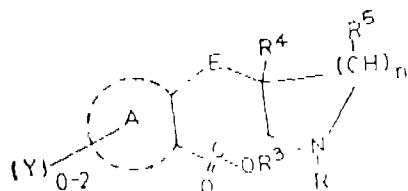
Formula—Ib



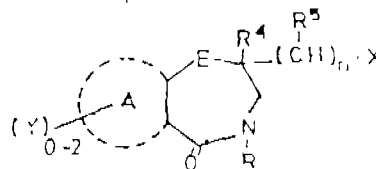
Formula—III



Formula—Ia



Formula—IVb



Formula—Ila

wherein :

A represents an aromatic ring having two of its carbon atoms held mutually with the oxazepine, thiazepine, or diazepine moiety selected from the group consisting of benzene, naphthalene, a quinoline or a pyridine in any of its 4 positions any of the rings optionally substituted by 0-2 Y radicals selected from the group consisting of halo, loweralkyl, loweralkoxy, diloweralkylamino, nitro or trifluoromethyl;

E is selected from oxygen, sulfur or loweralkyl;



R is selected from the group consisting of loweralkyl, cycloalkyl or phenyl-loweralkyl wherein phenyl is optionally substituted by one or two radicals selected from halo, loweralkyl, loweralkoxy, nitro or trifluoromethyl;

n is 1 or 2;

R⁴ and R⁵ are selected from hydrogen or loweralkyl (1-5C);

Z represents -N-R¹R², 1H-phyrazol-1-yl or 1H-imidazol-1-yl; 1H-imidazol-2-yl or 4, 5-dihydro-1H-imidazol-2-yl;

R¹ and R² are selected from the group consisting of hydrogen, loweralkyl, cycloalkyl and phenyl-loweralkyl optionally substituted on phenyl by 1 or 2 radicals selected from halo, loweralkyl, loweralkoxy, nitro, trifluoromethyl or cyano, or R¹ and R² taken together with the adjacent nitrogen atom may form a heterocyclic residue selected from the group consisting of 1-azetidyl, 1-pyrrolidyl, 2, 5-dimethylpyrrolidin-1-yl, 2-methyl-pyrrolidin-1-yl, 1-piperidyl, 4-substituted piperidine-1-yl, 4-bis (4-fluorophenyl) methyl (piperidin-1-yl), 4-morpholinyl, 1-piperazinyl, 4-substituted piperazin-1-yl, 1, 2, 3, 6-tetrahydropyridin-1-yl, 1H-pyrrol-1-yl or 2, 5-dihydro-1H-pyrrol-1-yl and the pharmaceutically acceptable salts thereof, which comprises the steps of

halogenating a compound of the formula IVb of the drawings, wherein;

A, E, R and n are as defined above and R³ is hydrogen or an acid salt neutralizing ion to give an acid halide of the formula III of the drawings;

or its free base, wherein X is chlorine or bromine and A, E, R, R⁴, R⁵, n and Y are the same as the starting values,

fusing the compounds obtained to give a compound of the formula IIa of the drawings, wherein

A, E, R, R⁴, R⁵, n, X and Y are as defined above and ring A now has two of its carbon atoms held mutually with the oxazepine, thiazepine, or diazepine moiety,

reacting the compound IIa obtained with a compound of the formula



wherein Z is as defined above to give a compound of the formula Ia of the drawings,

wherein;

A, E, R, n and Y are as defined above and Z is the same as in the ZN compound,

B is an oxygen atom,

reacting the said compound of formula Ia,

with a sulfurizing agent to obtain a compound of the
Ib

and converting the said compound to its pharmaceutically acceptable salt in a known manner.

The compounds prepared according to this invention can be used as antihistaminic agents.

Compl. specn. 152 pages.

Drgs. 18 sheets

R. A. ACHARYA
Controller General of Patents,
Designs and Trade Marks

